GREER GALLOWAY
CONSULTING ENGINEERS

Phase One Environmental Site Assessment
North Street
Tyendinaga Mohawk Territory, Ontario

Prepared for:

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Phase One Environmental Site Assessment for North Street
Tyendinaga Mohawk Territory, Ontario

The Greer Galloway Group is pleased to submit this report for the Phase One Environmental Site Assessment recently completed for the property located north and to the northwest of the intersection of North Street and Brant Street, Tyendinaga Mohawk Territory, Ontario. This report outlines the investigation procedures and identifies areas of potential and/or actual environmental concern, based on information obtained on specific dates through historical reviews, interviews and site visits.

We trust that this report is complete within our terms of reference and suitable for your present requirements. If you have any questions, or require further information or input from us, please do not hesitate to contact me.

Yours very truly,

THE GREER GALLOWAY GROUP INC.
CONSULTING ENGINEERS

David Cooper, M.Env.Sc.
Environmental Scientist

Executive Summary

The Greer Galloway Group Inc. was retained by the Mohawks of the Bay of Quinte to carry out a Phase One Environmental Site Assessment for the property located on the north side of North Street at its intersection with Brant Street, within Tyendinaga Mohawk Territory. The Phase One Environmental Site Assessment was conducted in general accordance with Ontario Regulation 153/04 (Part XV.1), of the Environmental Protection Act.

The Phase One Property is current land usage would be open spaced and it is sparsely treed with deciduous trees and common grasses and shrubs. The total size of the property is approximately 4.52 hectares with current access from a trail that is present to the east of the property that can be accessed from North Street. The Phase One Property's current land usage is open space with no structures present on the property. The Property has been used as agricultural land historically.

Based on gathered information, the first developed use of the property as defined by Ont. Reg. 153/04 occurred prior to the earliest examined aerial photographs taken in 1929 in the form of a residential building along the eastern property line. Two (2) potentially contaminating activities (PCAs) have been identified in the Conceptual Site Model including off-site importation of unknown quantity of fill, and an off-site presence of six (6) pole-mounted power (distribution) transformers. No Areas of Potential Environmental Concern (APECs) were identified on the Phase One Property. No Phase Two Environmental Site Assessment is recommended.

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List of Acronyms

APEC - area of potential environmental concern

COCs - contaminants of concern

COPCs – contaminants of potential concern

CSM - conceptual site model

ESA - environmental site assessment

ESR - Environmental Site Registry

GGG – The Greer Galloway Group, Consulting Engineers

MECP - Ministry of the Environment Conservation and Parks

PCA - potentially contaminating activity

PCBs - polychlorinated biphenyls

QP - qualified person

RA - risk assessment

RSC - record of site condition

Definitions

This section provides a selected list of definitions of terms that appear in *Ontario Regulation 153/04*. It is important to note that some definitions do not apply to the entire *Ontario Regulation 153/04*, and the reader is advised to look at the definitions sections throughout *Ontario Regulation 153/04* to determine where these apply.

"all reasonable inquiries"
means review of current and historical sources of reasonably accessible information about a property to determine uses and occupancies of the property since the property's first developed use.

"area of natural significance"
means any of the following:

1. An area reserved or set apart as a provincial park or conservation reserve under the *Provincial Parks and Conservation Reserves Act, 2006*.
2. An area of natural and scientific interest (life science or earth science) identified by the Ministry of Natural Resources as having provincial significance.
3. A wetland identified by the Ministry of Natural Resources as having provincial significance.
4. An area designated by a municipality in its official plan as environmentally significant, however expressed, including designations of areas as environmentally sensitive, as being of environmental concern and as being ecologically significant.
5. An area designated as an escarpment natural area or an escarpment protection area by the Niagara Escarpment Plan under the *Niagara Escarpment Planning and Development Act*.
6. An area identified by the Ministry of Natural Resources as significant habitat of a threatened or endangered species.
7. An area which is habitat of a species that is classified under section 7 of the *Endangered Species Act, 2007* as a threatened or endangered species.
8. Property within an area designated as a natural core area or natural linkage area within the area to which the Oak Ridges Moraine Conservation Plan under the *Oak Ridges Moraine Conservation Act*, 2001 applies.
9. An area set apart as a wilderness area under the *Wilderness Areas Act*.

"areas of potential environmental concern"
means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through,

a. identification of past or present uses on, in or under the phase one property, and
b. identification of potentially contaminating activity.

"building"
as defined in subsection 1(1) of the *Building Code Act*, 1992, means:

a. a structure occupying an area greater than ten square metres consisting of a wall, roof and floor or any of them or a structural system serving the function thereof including all plumbing, works, fixtures and service systems appurtenant thereto,

b. a structure occupying an area of ten square metres or less that contains plumbing, including the plumbing appurtenant thereto,

c. plumbing not located in a structure, (c.1) a sewage system, or

d. structures designated in the building code.

"bulk liquid dispensing facility"
means premises at which solvents, gasoline or associated products are stored in one or more storage tanks and dispensed for sale.

"contaminant of potential concern"
includes a contaminant identified as potentially present on, in or under a phase one property in a phase one environmental site assessment report.

"contaminants of concern"
means,

a. one or more contaminants found on, in or under a property at a concentration that exceeds the applicable site condition standards for the property, or

b. one or more contaminants found on, in or under a property for which no applicable site condition standard is prescribed under Part IX (Site Condition Standards and Risk Assessments) of *Ontario Regulation 153/04* and which are associated with potentially contaminating activity.

"dry cleaning equipment"
means dry cleaning equipment as defined in *Ontario Regulation 323/94* made under the Environmental Protection Act [note: *O. Reg.323/94* states: "dry cleaning equipment" means any device used to clean material with dry cleaning solvent or to remove residual dry cleaning solvent from previously cleaned material].

"enhanced investigation property"
means a property that is used, or has ever been used, in whole or in part for an industrial use or any of the following commercial uses:

- A garage;
- A bulk liquid dispensing facility, including a gasoline outlet; or,
- For the operation of dry cleaning equipment.

The term enhanced investigation property applies during the completion of a phase one environmental site assessment. Additional investigations of the phase one property must be undertaken if the phase one property is an enhanced investigation property.

"environmental site assessment"
means an investigation in relation to land to determine the environmental condition of property, and includes a phase one environmental site assessment and a phase two environmental site assessment.

"first developed use"
means the earlier of,

a. the first use of a phase one property in or after 1875 that resulted in the development of a building or structure on the property, and

b. the first potentially contaminating use or activity on the phase one property.

"garage"
means a place or premises where motor vehicles are received for maintenance or repairs for compensation.

"gasoline"
means a product of petroleum that may include oxygenates and gasoline additives that has a flash point below 37.8°C, that is a liquid at standard temperature and pressure and that is designed for use in an engine.

"gasoline outlet"
means any premises to which the public is invited, at which gasoline or an associated product is sold and is put into the fuel tanks of motor vehicles or floating motorized watercraft, or into portable containers.

"owner"
in relation to a record of site condition or risk assessment, includes a beneficial owner of or receiver in respect of the property for which the record of site condition is submitted for filing, is to be submitted for filing or is filed or for which the risk assessment is submitted.

"PCB"
means PCB as defined in *Regulation 362* of the Revised Regulations of Ontario, 1990 (Waste Management PCBs) made under the *Environmental Protection Act*.

"phase one property"
means the property that is the subject of a phase one environmental site assessment.

"phase one study area"
means the area that includes a phase one property, any other property that is located, wholly or partly, within 250 metres from the nearest point on a boundary of the phase one property and any property that the qualified person determines should be included as a part of the phase one study area under clause 3(1)(a) of Schedule D of *Ontario Regulation 153/04*.

"potentially contaminating activity"
means a use or activity set out in Column A of Table 2 of Schedule D of *Ontario Regulation 153/04* that is occurring or has occurred in a phase one study area.

"record"
when used as a noun, has the same meaning as "document" in subsection 1(1) of the *Environmental Protection Act*.

"RSC property"
in relation to a record of site condition, means the property in respect of which the record of site condition is submitted for filing or is filed. In Schedule D of *Ontario Regulation 153/04*, "sewage" means:

a. a waste of domestic origin that is human body waste, toilet or other bathroom waste, waste from showers and tubs, liquid or water borne culinary and sink waste and laundry waste, and
b. drainage, storm water, commercial wastes and industrial wastes.

In Schedule D of *Ontario Regulation 153/04*, "sewage works" means any works for the collection, transmission, treatment and disposal of sewage or any part of such works.

“sewage” means,

(a) a waste of domestic origin that is human body waste, toilet or other bathroom waste, waste from showers and tubs, liquid or water borne culinary and sink waste and laundry waste, and

(b) drainage, storm water, commercial wastes and industrial wastes;

“sewage works”

means any works for the collection, transmission, treatment and disposal of sewage or any part of such works.

"site"
when used in the phrase "site reconnaissance" means phase one study area.

"solvent"
means any volatile organic compound that is used as a cleaning agent, diluent, dissolver, thinner, or viscosity reducer, or for a similar purpose.

"spill"
means spill as defined in subsection 91(1) of the Act, other than a spill of a pollutant comprised solely of odour.

"surveyor"
means a person licensed under the *Surveyors Act* to practice cadastral surveying in Ontario.

"waste disposal site"
as used in *Ontario Regulation 154/03* means a waste disposal site as defined in section 25 of the *Environmental Protection Act*.

"waste generator"
means a generator as defined in *Regulation 347* of the Revised Regulations of Ontario, 1990 (General Waste Management) made under the *Environmental Protection Act*.

"waste receiver"
means a receiver as defined in *Regulation 347* of the Revised Regulations of Ontario, 1990 (General Waste Management) made under the *Environmental Protection Act*.

"water body"
means a permanent stream, river or similar watercourse or a pond or lake, but does not include a pond constructed on the property for the purpose of controlling surface water drainage.

Potentially Contaminating Activities (PCAs)

The following Potentially Contaminating Activities (PCAs) are identified under O.Reg. 153/04 for Phase One ESAs.

1. Acid and Alkali Manufacturing, Processing and Bulk Storage
2. Adhesives and Resins Manufacturing, Processing and Bulk Storage
3. Airstrips and Hangars Operation
4. Antifreeze and De-icing Manufacturing and Bulk Storage
5. Asphalt and Bitumen Manufacturing
6. Battery Manufacturing, Recycling and Bulk Storage
7. Boat Manufacturing
8. Chemical Manufacturing, Processing and Bulk Storage
9. Coal Gasification
10. Commercial Autobody Shops
11. Commercial Trucking and Container Terminals
12. Concrete, Cement and Lime Manufacturing
13. Cosmetics Manufacturing, Processing and Bulk Storage
14. Crude Oil Refining, Processing and Bulk Storage
15. Discharge of Brine related to oil and gas production
16. Drum and Barrel and Tank Reconditioning and Recycling
17. Dye Manufacturing, Processing and Bulk Storage
18. Electricity Generation, Transformation and Power Stations
19. Electronic and Computer Equipment Manufacturing
20. Explosives and Ammunition Manufacturing, Production and Bulk Storage
21. Explosives and Firing Range
22. Fertilizer Manufacturing, Processing and Bulk Storage
23. Fire Retardant Manufacturing, Processing and Bulk Storage
24. Fire Training
25. Flocculants Manufacturing, Processing and Bulk Storage
26. Foam and Expanded Foam Manufacturing and Processing
27. Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles
28. Gasoline and Associated Products Storage in Fixed Tanks
29. Glass Manufacturing
30. Importation of Fill Material of Unknown Quality
31. Ink Manufacturing, Processing and Bulk Storage
32. Iron and Steel Manufacturing and Processing
33. Metal Treatment, Coating, Plating and Finishing
34. Metal Fabrication

35. Mining, Smelting and Refining; Ore Processing; Tailings Storage
36. Oil Production
37. Operation of Dry Cleaning Equipment (where chemicals are used)
38. Ordnance Use
39. Paints Manufacturing, Processing and Bulk Storage
40. Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications
41. Petroleum-derived Gas Refining, Manufacturing, Processing and Bulk Storage
42. Pharmaceutical Manufacturing and Processing
43. Plastics (including Fibreglass) Manufacturing and Processing
44. Port Activities, including Operation and Maintenance of Wharves and Docks
45. Pulp, Paper and Paperboard Manufacturing and Processing
46. Rail Yards, Tracks and Spurs
47. Rubber Manufacturing and Processing
48. Salt Manufacturing, Processing and Bulk Storage
49. Salvage Yard, including automobile wrecking
50. Soap and Detergent Manufacturing, Processing and Bulk Storage
51. Solvent Manufacturing, Processing and Bulk Storage
52. Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems
53. Tannery
54. Textile Manufacturing and Processing
55. Transformer Manufacturing, Processing and Use
56. Treatment of Sewage equal to or greater than 10,000 litres per day
57. Vehicles and Associated Parts Manufacturing
58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners
59. Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products

1. Introduction

The Greer Galloway Group Inc. was retained by the Mohawks of the Bay of Quinte to carry out a Phase One Environmental Site Assessment for a 4.52 ha property located on the north side of North Street at its intersection with Brant Street, within Tyendinaga Mohawk Territory. The Phase One Property is currently undeveloped open space and historically was used for agricultural and residential use. The Mohawks of the Bay of Quinte intend to develop the property for residential use.

The purpose of a Phase One ESA is to look for past and present conditions or practices which may represent environmental risk or liability. Ontario Phase One ESAs are generally conducted in accordance with one of two protocols: the Canadian Standards Association (CSA Z-768/01 Standard) or Ontario Regulation 153/04 for a Phase One ESA. The CSA Standard is typically followed for Due-Diligence purposes either prior to purchase or as a condition of financing. The Standards are similar but differ in their treatment of the surrounding area (i.e., search distances) and in their reporting structure (the O.Reg. 153.04 Standard is more prescriptive). While this report was completed for due diligence purposes, we have generally followed the reporting structure of O.Reg. 153/04. We note that the land in question is not under Provincial Jurisdiction and the Standard is used only as guidance.

Based on information gathered through aerial photographs and interviews, the property has been been used for agriculture with a single residential dwelling dating back to before 1929. Developed land use has existed on the Phase One Property as understood by the assessor to be limited to a small residential building. The Property can be accessed directly from a trail that can be entered from the north side of Wellness Drive just west its intersection with Brant Street.

Pertinent details of the Phase One Property are provided in the following table:

Table 1: Summary of Site Information

Detail	Information	Source / Reference
Legal Description	Parts of Lot 37D & Part of Lot 38E-1-2, Con II, 65240 CLSR	Documents obtained during interview
Municipal Address	Not Applicable	Client
Current Owner	Mohawks of the Bay of Quinte	Client
Owner/Client Contact Information	Mohawks of the Bay of Quinte 24 Meadow Drive Deseronto, Ontario K0K 1X0	Client/ Authorization to Proceed
Current Occupant	None	Site Reconnaissance
Site Area	4.52 Hectares	Google Earth™ Satellite Imagery
Current Land Use	Open Space	Site Reconnaissance
Centroid UTM Coordinates	335613E; 4896071N, NAD83, Zone 18	Google Earth™ Satellite Imagery

2. Scope of Investigation

Greer Galloway conducted this Phase One ESA in general accordance with O. Reg. 153/04, Part VII and Schedule D of O. Reg. 153/04. The Phase One ESA scope of work comprised the following:

1) A Records Review: Greer Galloway reviewed available current and historical information sources pertaining to the Phase One Property and surrounding properties within the Phase One Study Area including the use of, but not limited to, aerial photographs, city directories, and a land transfer document relevant to the Phase One Property, a regulatory data base search and the Ministry of the Environment, Conservation and Parks (MECP) water well records. Regulatory agencies were also contacted to identify if any records of environmental non-compliance or other information associated with the environmental condition of the Phase One Property exist.

2) Interviews: Greer Galloway conducted interviews with a Community Representative (see Section 5.0) to determine if any current or historical operations have caused a concern with respect to the environmental condition of the Phase One Property and the surrounding properties within the Phase One Study Area.

3) Site Reconnaissance: Greer Galloway completed a visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area (from publicly accessible areas) including any associated buildings and/or facilities for the purpose of identifying the presence of significant environmental contaminants of concern.

4) Evaluation: Greer Galloway evaluated the information gathered from the records review, interviews and Site reconnaissance.

5) Reporting: Greer Galloway prepared this Phase One ESA report summarizing the findings of the Phase One ESA.

3. Records Review

3.1 General

The study period for this assessment was December 2020 to July 2022, which included the records review, site reconnaissance, interviews and reporting. A Site reconnaissance was completed on January 20, 2021 and March 1, 2022, by a Greer Galloway representative under the direct supervision of a Qualified Person (QP). During the Site reconnaissance, Greer Galloway accessed all areas of the Phase One Property. Greer Galloway did not access any areas within the surrounding Phase One Study Area with the exception of a windshield reconnaissance from publicly accessible roads. Selected photographs taken during the Site reconnaissance of the Phase One Property are presented in Appendix C.

3.1.1 Phase One Study Area Determination

Figure 2 shows the Phase One Study Area with a radius of 250 meters from the property boundary. A search radius of 250 meters was selected to include all Potentially Contaminating Activities that could impact the Phase One Property. In the area within the 250-meter radius, residential, commercial, community facility and open space land uses were noted.

3.1.2 First Developed Use Determination

The first developed land use of the Phase One Property is defined by O. Reg. 153/04 to be:

- The first use of a Phase One Property in or after 1875 that resulted in the development of a building or structure on the property; and
- The first potentially contaminating use or activity on the Phase One Property.

Based on gathered information, the first developed use was residential.

3.1.3 Chain of Title

A search of owner history at the Phase One Property could not be completed at the Land Registry Office in Belleville, Ontario. A lot history and Parcel abstract will be included in the appendix A provided by Ms. Lisa Maracle.

3.1.4 Environmental Reports

The Client has informed Greer Galloway that no previous environmental studies have been undertaken for the Phase One Property or, to their knowledge, for adjacent properties within the Phase One Study Area. The ERIS report indicated that a previous ERIS search was completed for the property located to the north of 199 Mill Street, where residential apartment building has been constructed at 911 addresses 201-209 Mill Street. It is not known whether an ESA report was generated for that site.

3.2 Environmental Source Information

Greer Galloway reviewed the historical use of the Phase One Study Area through the use of publicly available archives and databases, as well as through requesting information from regulatory agencies. The following provides a summary of the information obtained from these sources.

3.2.1 Environmental Database Search – EcoLog ERIS

Greer Galloway retained EcoLog Environmental Risk Information Service Ltd. (ERIS) to search available federal, provincial and private source databases for information pertaining to the Phase One Study Area. A copy of the EcoLog ERIS report is provided in Appendix B and the results of the database search are described in the following subsections.

3.2.1.1 National Pollutant Release Inventory

EcoLog ERIS completed a search of the federal databases for information regarding the National Pollutant Release Inventory (NPRI). This database contains comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances and identifies information such as the approximate location, type and quantity of contaminant, date of release, and media impacted. The EcoLog ERIS search of the NPRI inventory yielded no records for the Phase One Property or the Phase One Study Area.

3.2.1.2 Ontario Inventory of PCB Storage Sites

The MECP's Waste Management Branch maintains an inventory of PCB storage sites within Ontario. Ontario Regulation 11/82 and Ontario Regulation 347 (O. Reg. 347), made under the EPA, require the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the MECP. This database contains information on waste quantities, major and minor sites storing liquid or solid waste, and a waste storage inventory. The EcoLog ERIS report yielded no records for PCB storage sites for the Phase One Property or the Phase One Study Area.

3.2.1.3 National PCB Inventory

Environment Canada maintains an inventory of in-use PCB-containing equipment at federal, provincial and private facilities in Canada, and of out-of-service PCB-containing equipment and PCB waste owned by the federal government or federally regulated industries. EcoLog ERIS completed a search of the National PCB Inventory and found no information regarding the Phase One Property or the Phase One Study Area.

3.2.1.4 Certificates of Approval/Environmental Compliance Approvals

EcoLog ERIS completed a search of the MECP database for information regarding Certificates of Approval (C-of-A). The MECP maintains a database of approved Cs-of-A for Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals.

Prior to November 1, 2011, the MECP mandated that any facility that released emissions to the atmosphere, discharged contaminants to ground or surface water, provided potable water supplies, or stored, transported or disposed of waste, must have a C-of-A before it could operate lawfully. The MECP no longer issues C-of-A's, which were replaced by Environmental Compliance Approvals (ECAs) as of November 1, 2011. The EcoLog ERIS search of the C-of-A database identified no C of A's listed for the Phase One Study Area.

3.2.1.5 Certificates of Property Use

The EcoLog ERIS search of the CPU database identified no information regarding CPUs for the Phase One Property or Phase One Study Area.

3.2.1.6 Inventory of Coal Gasification Plants

EcoLog ERIS searched the following publications prepared for the MECP by Intera Technologies Inc. for information on industrial sites that formerly operated as coal gasification plants, and industrial sites that produced or used coal tar and other related tars:

- "Inventory of Coal Gasification Plant Waste Sites in Ontario", dated April 1987; and
- "Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario", dated November 1988.

The EcoLog ERIS search yielded no records of former coal gasification plants or the production or use of coal tar and related tars within the Phase One Property or Phase One Study Area.

3.2.1.7 Environmental Incidents, Orders, Offences and Spills

EcoLog ERIS completed a search of the various provincial and federal databases for information regarding environmental incidents, orders, offences and spills. Details regarding the searched databases are provided in the EcoLog ERIS report in Appendix B.

No Environmental Incidents, Orders, Offences and Spills were recorded in the ERIS.

3.2.1.8 Waste Management *Records*

EcoLog ERIS completed a search of the O. Reg. 347 Waste Generators database for information regarding waste generation. O. Reg. 347 defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution, etc.

No Ontario Regulation 137 Waste Generators are identified within the Phase One Study Area.

3.2.1.9 Fuel Storage Tanks

EcoLog ERIS completed a search of various private, provincial and federal databases for information regarding chemical storage tanks, as well as private and retail fuel storage tanks. The EcoLog ERIS search of the chemical or fuel storage tank databases found no information regarding fuel storage tanks within the Phase One Property or Phase One Study Area.

3.2.1.10 Notices and Instruments

EcoLog ERIS completed a search of the provincial Environmental Registry for records pertaining to proposals, decisions, and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. EcoLog ERIS also searched the Record of Site Condition database for filed Record of Site Conditions (RSCs). No records were found in the Environmental Registry and Record of Site Condition database for the Phase One Property or the Phase One Study Area.

3.2.1.11 PES- Pesticide Register

The Pesticide Register is a database maintained by the Ministry of Environment, Conservation and Parks for licensed operators and vendors of registered pesticides. A search of the PES database from 1988 to October 2019 did not identify any PES sites within the Phase One Study Area.

3.2.1.12 Other EcoLog ERIS Databases

A full listing of EcoLog ERIS databases is provided in the EcoLog ERIS report included in Appendix B.

3.2.2 Abandoned Mines

Review of The Ontario Ministry of Northern Development and Mines inventory of abandoned mines revealed no abandoned mines or quarries on the Phase One Property or within the Phase One Study Area.

3.2.3 Oil and Gas Wells

Review of The Ontario Ministry of Northern Development and Mines inventory of licensed oil and gas wells revealed no oil or gas wells on the Phase One Property or within the Phase One Area.

3.2.4 Fire Insurance Maps/Plans

A search for Fire Insurance Plans was completed by Greer Galloway at Trent University in Peterborough, Ontario and through internet. No plans were identified that cover the Phase One Study area as the Phase One Study Area is just north of the fire insurance map for Deseronto.

3.3 Physical Setting Sources

3.3.1 Aerial Photographs

Greer Galloway reviewed aerial photographs of the Phase One Property and surrounding properties within the Phase One Study Area to assess the potential for historical PCAs. Copies of aerial photographs dated 1929, 1956, 1973, and 1995 were obtained from the National Air Photo Library in Ottawa, Ontario and reviewed by Greer Galloway. In addition, Greer Galloway reviewed Google Earth™ Satellite Imagery dated 2015. The 1929 aerial photograph was the earliest available aerial photograph of the Phase One Study Area.

Table 2: Summary of Aerial Photograph Review

Year of Air Photo	Phase One Property	Phase One Study Area
1929	The Phase One Property is being used primarily as agricultural land. A residential dwelling is present along the eastern property boundary.	The Phase One Study Area is in predominantly agricultural land use. Residential buildings and a church are located in the southern portion of Study Area south of the subject property.
1962	Same as the 1929 image	Residential buildings have been constructed along North Street between Brant Street and Mill Street

Year of Air Photo	Phase One Property	Phase One Study Area
1973	Same as 1962 image.	Same as 1962 image
1995	Same as the 1973 image.	Same as previous image however Green Street is now present in the form of a dirt road where previously was road allowance.
2017	The residential dwelling is no longer present on the property.	Additional residential buildings have been constructed south of North Street.

3.3.2 Topography, Hydrology and Geology

The surface topography descends gently from about 92 mASL at the northern portion of the Phase One Study Area to about 89 mASL at the southern end of the Phase One study area. The elevation also decreases towards the south within the Phase One Study Area.

Groundwater on the Property is anticipated to flow southward towards the creek that flows east to west immediately south of the Phase One Property boundary and ultimately to Lake Ontario.

The Soils Map of Hastings County, Ontario, Report No. 27 classifies soils developed on this property as Sidney Clay and the majority of the Phase One Study are, and lesser Ontonabee loam in the Phase One Study Area. Ontonabee Loam is a stony phase of a brown forest loam with good drainage. The Sidney Clay is a poorly drained soil that occurs in relatively flat or depressional topography. The Sidney Clay ranges in colour from dark grey at surface to a mottled grey-brown at depth.

The area is underlain by upper Ordovician Verulam Formation limestone and shale. This formation exhibits a generally shallow dip to the south. The interbedded shale within the formation allows the formation to be easily eroded and it is not well exposed at surface. Based on information available from water wells installed within 500 m of the Property, bedrock is shallow and anticipated to occur within approximately 4 m of the ground surface.

3.3.3 Fill Materials

A fill deposit was identified during site reconnaissance to the northeast of the property in the form of a grass covered mound.

3.3.4 Water Bodies and Areas of Natural Significance

A west flowing Creek is present in the central portion of the Phase One Study Area. Mohawk Bay (Lake Ontario) is approximately 805 metres to the south-southeast of the Phase One Property.

3.3.5 Well Records

There are (2) well records within 250 meters of the Phase One Property in the Ontario Ministry of the Environment Water Well Database. The logs description of wells within the database indicate shallow clayey loam soil less than four metres in depth followed by bedrock consisting of grey limestone.

Two (2) wells installed in the Phase One Study Area, are listed in the ERIS Report (see Appendix B).

4. Interviews

Information on the Phase One Property was obtained through an interview of Ms. Lisa Maracle on March 12 ,2021. The interviewee is also providing title information that will be added to Appendix A when received. In addition, a search was completed in order to determine if MBQ were in possession of any environmental reports or TSSA documents regarding the project area. The Phase One Property at North Street has always been part of Tyendinaga Mohawk Territory and has primarily been used as agricultural land.

During the interview it was documented that there were no known historical environmental spills or contamination on the subject property or neighbouring properties. Ms. Maracle was unaware of any potentially contaminating activities on the property. No above ground or underground fuel storage tanks are known to be present on the property. Ms. Maracle also indicated that the historical land-use has been open space and agricultural. There are no septic systems located on the property. Finally, no known environmental reports for the Phase One Property exist.

5. Site Reconnaissance

5.1 General Requirements

The site reconnaissance was carried out by David Cooper, M.Env.Sc., of the Greer Galloway Group Inc., on January 20th, 2021 at 4:30 pm. Weather conditions at the time of site reconnaissance consisted of overcast skies, an 8 kilometer per hour light wind with an eastern wind direction, and a temperature of approximately -5 degrees Celsius. The property was re-visited on Mar 1 2022 to ensure there were no new PCAs in the Phase One Study Area.

The site investigation took approximately two hours. The Phase One Property's current land usage is open space with no building or manmade structures. The property is a field with trails present on either side. A creek is present at the southern property boundary and this limits access to the trails present on the west property line and to the east of the property. A dirt trail is present at the center of the property running along the length of the Phase One Property in a north-south direction. The Phase One Property is grass and shrub covered with deciduous trees present along the west property line. The remnants of a roof from a former dwelling was identified in the north central position of the property. A pile of miscellaneous debris/equipment and items can be seen in the 2017 aerial photos and was identified during site reconnaissance on the neighbouring property to the west of the Phase One Property.

Two PCAs were identified on during site reconnaissance, including off-site fill material and off-site pole-mounted transformers.

No Areas of Potential Environmental Concern were identified during the site reconnaissance. The Phase One Property location is shown in Figure 1 and selected photographs taken during the site reconnaissance are included in Appendix C.

5.2 Specific Observations at Phase One Property

5.2.1 Description of Buildings and Structures

The Phase One Property does not feature any buildings or structures at the time of site reconnaissance and is undeveloped.

5.2.2 Description of Below-Ground Structures

Underground utilities are not anticipated to be present on the property and no evidence of these utilities was observed. The well and septic for the former house was not identified on site but may still be present below-ground.

5.2.3 Description of Tanks

No tanks were observed on the property at the time of our site visit.

5.2.4 Potable and Non-Potable Water Sources

Water wells were observed at the property to the west and east of the Phase One Property, but no wells were identified on the subject property. It is anticipated that future development on the property will be serviced with municipal water from Desoronto. Potable water conditions are present within the Phase One Study Area.

5.2.5 Description and Location of Underground Utilities

Water, natural gas, sewage and telecommunications are currently not provided to the property, but water and sewage mains are present along Wellness drive and would be extended west. Properties within the Phase One Study Area are primarily heated with propane.

5.2.6 Entry and Exit Points

The property may be accessed from a trail present to the east of the Phase One Property.

5.2.7 Details of Heating System

No current heating system on the property.

5.2.8 Details of Cooling System

No current cooling system on the property.

5.2.9 Details of Drains, Pits and Sumps

No drains, pits or sumps were observed on the property.

5.2.10 Designated Materials

No designated materials such as asbestos, PCBs, or lead paint were observed during the phase one site reconnaissance.

5.2.11 Unidentified Substances within Buildings and Structures

No substances of environmental concern were observed.

5.2.12 Details of Sewage Works

Sewage servicing is not currently present on the Phase One Property and future residential development is expected to have accompanying water and sewage servicing from Desoronto.

5.2.13 Details of Ground Cover

The Phase One Property features small trees and shrubs which have grown over the property. Common grasses are also present between the treed areas.

5.2.14 Details of Current or Former Railways

No current or former railways are present within the Phase One Study Area.

5.2.15 Areas of Stained Soil, Vegetation and Pavement

During the Site reconnaissance, Greer Galloway did not observe any areas of stained soil or pavement, or distressed vegetation on the Phase One Property. Vegetation appeared to be in good condition with no evidence of contamination-related stress. It should be noted that these features are more difficult to determine under winter conditions during which the site reconnaissance took place.

5.2.16 Areas of Fill and Debris Materials

A mound of grass covered fill (approximately 22 m^2 in plan area) was identified just to the northeast of the property. No obvious indications of contamination were observed.

5.2.17 Potentially Contaminating Activities

No Potentially Contaminating Activities were observed on the property during site reconnaissance.

5.2.18 Unidentified Substances Outside Buildings and Structures

During the Site reconnaissance, Greer Galloway did not observe any unidentified substances or storage containers holding unidentified substances at the Phase One Property.

5.3 Enhanced Investigation Property

O. Reg. 153/04 defines an “enhanced investigation property” as a property that is being used or has been used, in whole or in part, in the following manner:

- For an industrial use; or
- For any of the following commercial uses:
    - As a garage;
    - As a bulk liquid dispensing facility, including a gasoline outlet; or
    - For the operation of dry-cleaning equipment.

This Phase One ESA found no evidence that any of these activities have occurred on the property.

6. Review and Evaluation of Information

6.1 Current and Past Uses

Refer to Table 3 for the current and past uses of the Phase One Property.

6.2 Potentially Contaminating Activities

A potentially contaminating activity (PCA) is defined as a use or activity set out in Column A, Table II, Schedule D of Ontario Regulation 153/04 which occurred in the Phase One Study Area and neighbouring PCAs within the Phase One Study Area. Table 3 lists the Potential Contaminating Activities identified within the Phase One Study Area.

Off-site:

PCA 30 Importation of Unknown Quantity of Fill.

A deposit of fill was identified to the northeast of the north property line, although no evidence of contaminated soil was observed. Based on appearance the fill material is has been located on the property for a long time and was grass covered at the time of site reconnaissance. This material may contain the remnants of the residential building on the property.

The environment risk to the Phase One Property appears to be low as it is not on the Phase One Property and there was no visual indications of contamination were observed. The overall quantity of the fill material is also relatively small.

PCA 55 Transformer Manufacturing, Processing and Use:

During the site reconnaissance, Six (6) distribution (power) transformers were identified on hydro poles within the Phase One Study Area (See Figure 3).

The environment risk to the Phase One Property is considered low as the transformers are all pole-mounted and off-site, and down gradient from the Phase One Property. None of the transformers identified are part of a transformer station.

Figure 3 indicates the location of the identified PCAs in the Phase One Study Area.

6.3 Areas of Potential Environmental Concern

No areas of potential environmental concern were identified during the Phase One Environmental Site Assessment.

6.4 Phase One Conceptual Site Model

The Phase One Property has been identified in the center of the model. The extent of the Phase One Study Area has also been depicted in the conceptual site model. Potentially contaminating activities have been indicated in Figure 3 with the corresponding item number from Table 2, Schedule D of O. Reg. 153/04.

6.4.1. Areas Where Potentially Contaminating Activities (PCAs) Have Occurred

Two (2) potentially contaminating activities (PCAs) have been identified in the Conceptual Site Model. These PCAs include an unknown quantity of fill located just to the northeast of the property (PCA 30). Six (6) distribution transformers present in the Phase One Study Area (PCA 55).

6.4.2 Contaminants of Concern (COC)

Contaminants of concern were not identified during the Phase One ESA.

6.4.3. Potential for Underground Utilities to Affect Contaminant Distribution

Potential contaminants were not identified during the Phase One ESA and the potential would be negligible for underground utilities to affect contaminant distribution.

6.4.4 Regional or Site-Specific Geology and Hydrogeological Information

Topography and Surface water	
Phase One Study Area	The Overall elevation decreases from 92 metres above sea level at the northwestern portion of the Phase One Study Area to 90 metres above sea level at the northeastern corner of the property. The elevation also decreases in a second direction towards Mohawk Bay (Lake Ontario). The elevation in the Phase One Study Area also decreases towards the creek that flows towards the west at the southern boundary of the Phase One Property.
Phase One Property Conditions	The Property elevation is at 90 metres above sea level with the topography at the Property sloping gently in the southwest direction with a topographic low on the property of 89 mASL proximal to the creek at the southern property boundary.
Overburden and Surficial Geology	
Regional Conditions	Overburden in the region is dominated by fine to coarse grained till deposits and glaciofluvial deposits, and modern fluvial environments are also common regionally.
Phase One Property Conditions	The Soils Map of Hastings County, Ontario, Report No. 27 classifies soils developed on this property as Sidney Clay, consisting of dark grey clayey soil, common stony calcareous rock, with poor internal and external drainage.
Bedrock Geology	
Regional Bedrock Conditions	Upper Ordovician Verulam Formation consisting of limestone and shale. Based on information contained in the well records the approximate depth to bedrock is 3 to 4 metres below ground surface.
Phase One Property Conditions	It is expected that conditions at the Property are consistent with the regional bedrock conditions.

Hydrogeology	
Significant Water bodies	A Creek which ultimately flows into the Mohawk Bay is located along the southern boundary of the Phase One Property. Mohawk Bay (Lake Ontario) is located approximately 805 m to the southeast of the Phase One Property.
Anticipated Groundwater Flow Direction	Groundwater is anticipated to flow south-southeast towards Mohawk Bay (Lake Ontario). Locally ground water may flow towards the Creek within the Phase One Study Area.

6.4.5 Uncertainty or Absence of Information

During site reconnaissance within the phase one study area, neighboring properties were inspected from public property and therefore, some PCAs may be missed. A minor quantity of snow cover was present during site reconnaissance. Otherwise, there is little uncertainty or absence of information that could affect the validity of the Phase One Conceptual Site Model.

6.5 Conclusions

We conclude, on the basis of this Phase One Site Assessment, that there is a low potential for significant contamination of soil and groundwater at the Phase One Property. No Areas of Potential Environmental Contamination (APEC) were identified for the Phase One Property

A Phase Two Environmental Site Assessment is not recommended based on the findings of this report as PCA are offsite and cross and downgradient based on anticipated groundwater flow direction in relations to the Phase One Property.

7. Assessor Qualifications

7.1 Qualified Person

This Phase One ESA was undertaken under the supervision of Dr. Charles Mitz, P.Geo., QPESA in accordance with the requirements of O. Reg. 153/04. The conclusions and recommendations provided in this report represent the best judgement of the assessor based on the Site conditions observed on January 20th , 2021 and Mar 1st, 2022 and a review of available historical information and information obtained from interviews. Dr. Mitz is a Professional Geoscientist (P.Geo.) licensed in Ontario with over 25 years of experience managing Phase One and Two ESA's.

7.2 Supporting Personnel

The Phase One ESA site reconnaissance was completed by Mr. David Cooper under the supervision of Dr. Mitz. Mr. Cooper is an Environmental Scientist at Greer Galloway's Belleville. He conducts Phase One and Phase Two ESAs including document research, site visits, interviews, and reporting.

8. Closure

The information and opinions expressed in this Phase One ESA report are prepared for the sole benefit of the Mohawks of the Bay of Quinte. Reliance on this document involves technical interpretation, judgment, and conjecture made with the assistance of the Greer Galloway Group in accordance with our client's specific level of technical sophistication and risk tolerance. No other party is permitted to rely on this report or any portion thereof. With the permission of our client, Greer Galloway will meet with a third party approved in writing by our client to help identify additional services necessary (if any) to permit such a third party to rely on the information contained in this report.

All of which is respectfully submitted.

THE GREER GALLOWAY GROUP INC.
CONSULTING ENGINEERS

David Cooper M.Env.Sc.
Environmental Scientist

Charles Mitz, Ph.D., P.Geo, QPESA
Senior Project Manager

Appendix A

Property Information (pending)

Appendix B

ERIS Report

Appendix C

Site Photographs

Table 3: Potential Contaminating Activities within the Phase One Study Area

PCA Identification Number	Area of Potential Environmental Concern	Operational Stage	Company and Description	Location of Area of Potential Environmental concern in Phase One Study Area	Potential Environmental Concern	Data Source	Potentially Contaminating Activity	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, surface water, soil and or sediment)
1.	Phase One Study Area	Inactive	Fill mound grass covered and frozen during Phase One Site Reconnaissance. No visible contamination.	Northeast of the Phase One Property Proximal to the northern property boundary	Surface and Sub-surface impacts of fill	Site Reconnaissance	Item 30: Importation of Fill Material of Unknown Quality	PAHs PHCs Metals	Potential to impact soil and groundwater
2.	Phase One Study Area	Active	Distribution (Power) Transformers	(2) off Brant Street, (2) Green Street (2) Mill Street	Surface and Sub-surface impacts from transformer oil leak	Site Reconnaissance	Item 55: Transformer Manufacturing, Processing and Use	PCBs	Potential to impact soil, surface water and groundwater

Table 4: Areas of Potential Environmental Concern

Area of Potential Environmental Concern #	Area of Potential Environmental Concern	Potential Contaminating Activity	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, surface water, soil, air)	Possibility of contamination

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FAX: 613-966-3087

NOTES:

Air photo from National Air Photo Library of Canada

LEGEND:

Phase One Site Boundary

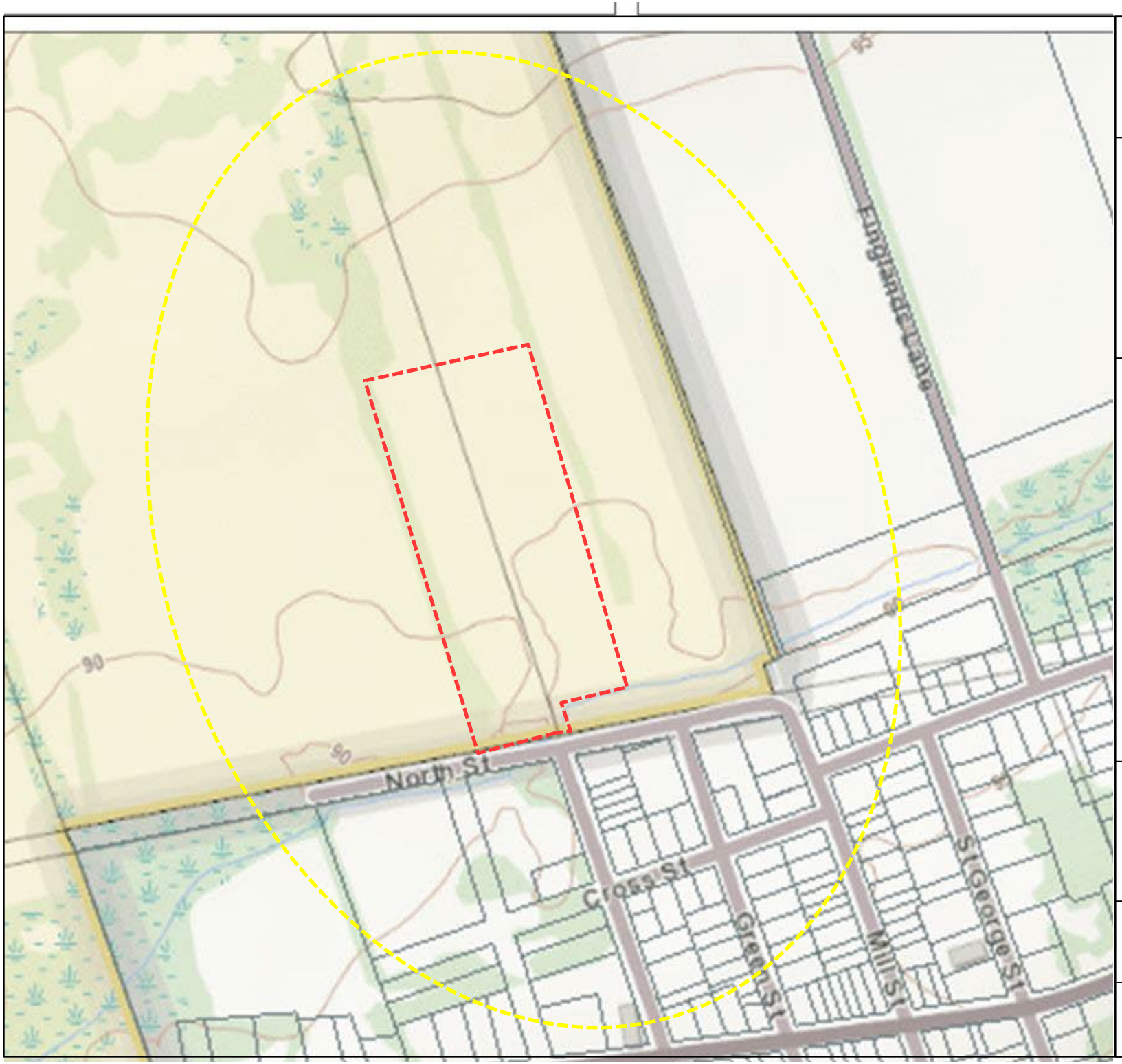
PROJECT:

PHASE ONE ESA
NORTH STREET
TYENDINAGA MOHAWK TERRITORY

FIGURE 1:

PHASE ONE PROPERTY

Scale: as shown



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FAX: 613-966-3087

NOTES:

1) Base drawing and information: obtained from the Ontario Ministry of Natural Resources and Forestry (MNRF); "Make a Map" Natural Heritage Areas; https://www.gisapplication.lrc.gov.on.ca/, accessed September 2019

LEGEND:

- Phase One Site Boundary
- Phase One Site Area
- Woodland
- Conservation Reserve
- Provincial Park
- Natural Heritage System

Wetland

- Provincially Significant Wetland Evaluated
- Non - Provincially Significant Wetland Evaluated
- Unevaluated Wetland

Area of Natural Heritage & Scientific Interest (ANSI)

- Provincially Significant Life Science ANSI
- Provincially Significant Earth Science ANSI

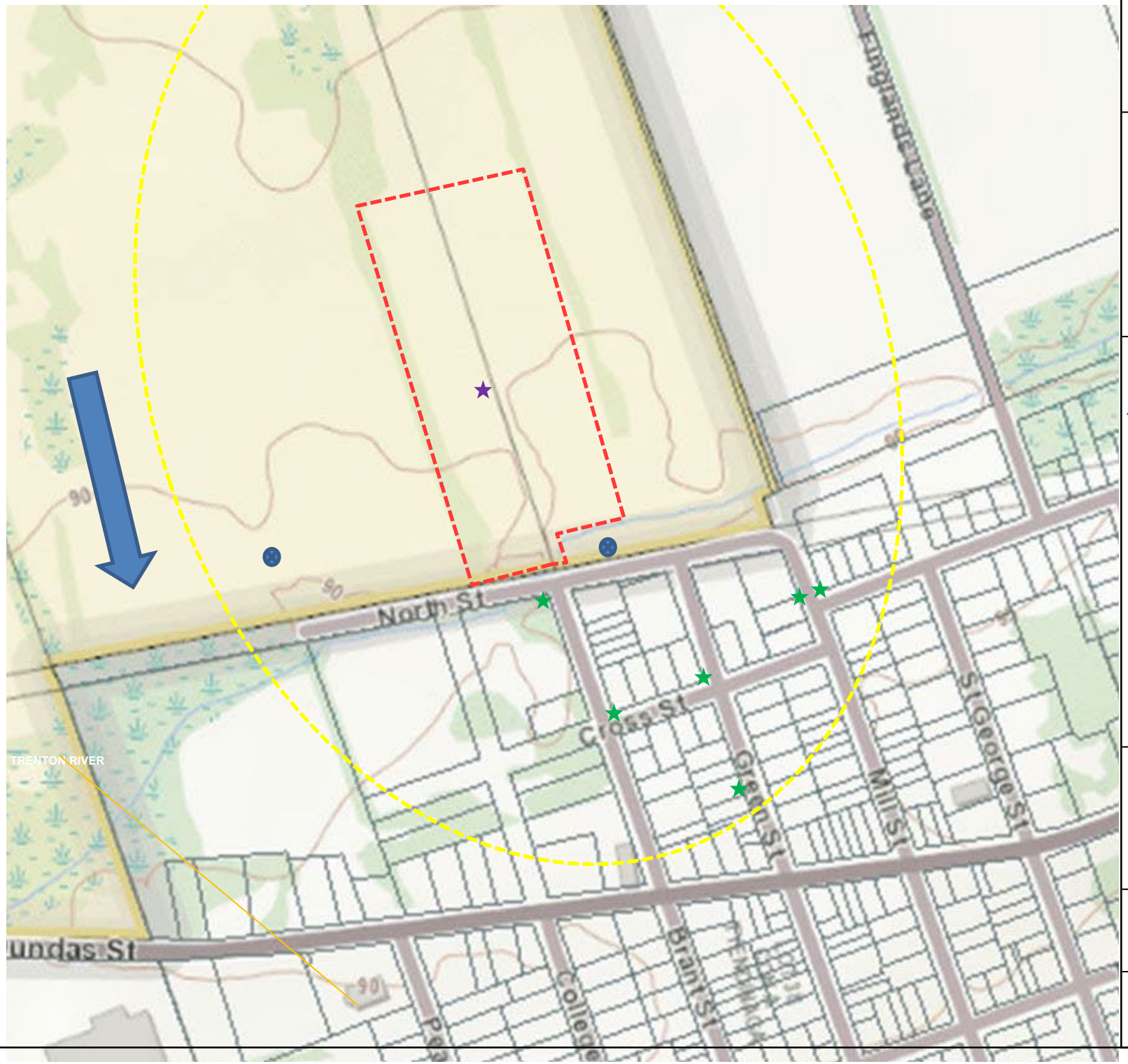
PROJECT:

PHASE ONE ESA
NORTH STREET
TYENDINAGA MOHAWK TERRITORY

FIGURE 2:

PHASE ONE STUDY AREA

Scale: as shown



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NOTES:

1) Base drawing and information: obtained from the Ontario Ministry of Natural Resources and Forestry (MNRF); "Make a Map" Natural Heritage Areas; https://www.gisapplication.lrc.gov.on.ca/, accessed March 2021

LEGEND:

- Phase One Site Boundary
- Phase One Site Area
- Groundwater Flow Direction
- PCA 55
- PCA 30
- Water Supply Well

PROJECT:

PHASE ONE ESA
NORTH STREET
TYENDINAGA MOHAWK TERRITORY

FIGURE 3:

PHASE ONE CONCEPTUAL SITE MODEL

Scale: as shown

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NOTES:

Air photo from National Air Photo Library of Canada

LEGEND:

Phase One Site Boundary

PROJECT:

PHASE ONE ESA
NORTH STREET
TYENDINAGA MOHAWK TERRITORY, ONTARIO

FIGURE 6:

1929 AIR PHOTO

Scale: as shown

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NOTES:

Air photo from National Air Photo Library of Canada

LEGEND:

Phase One Site Boundary

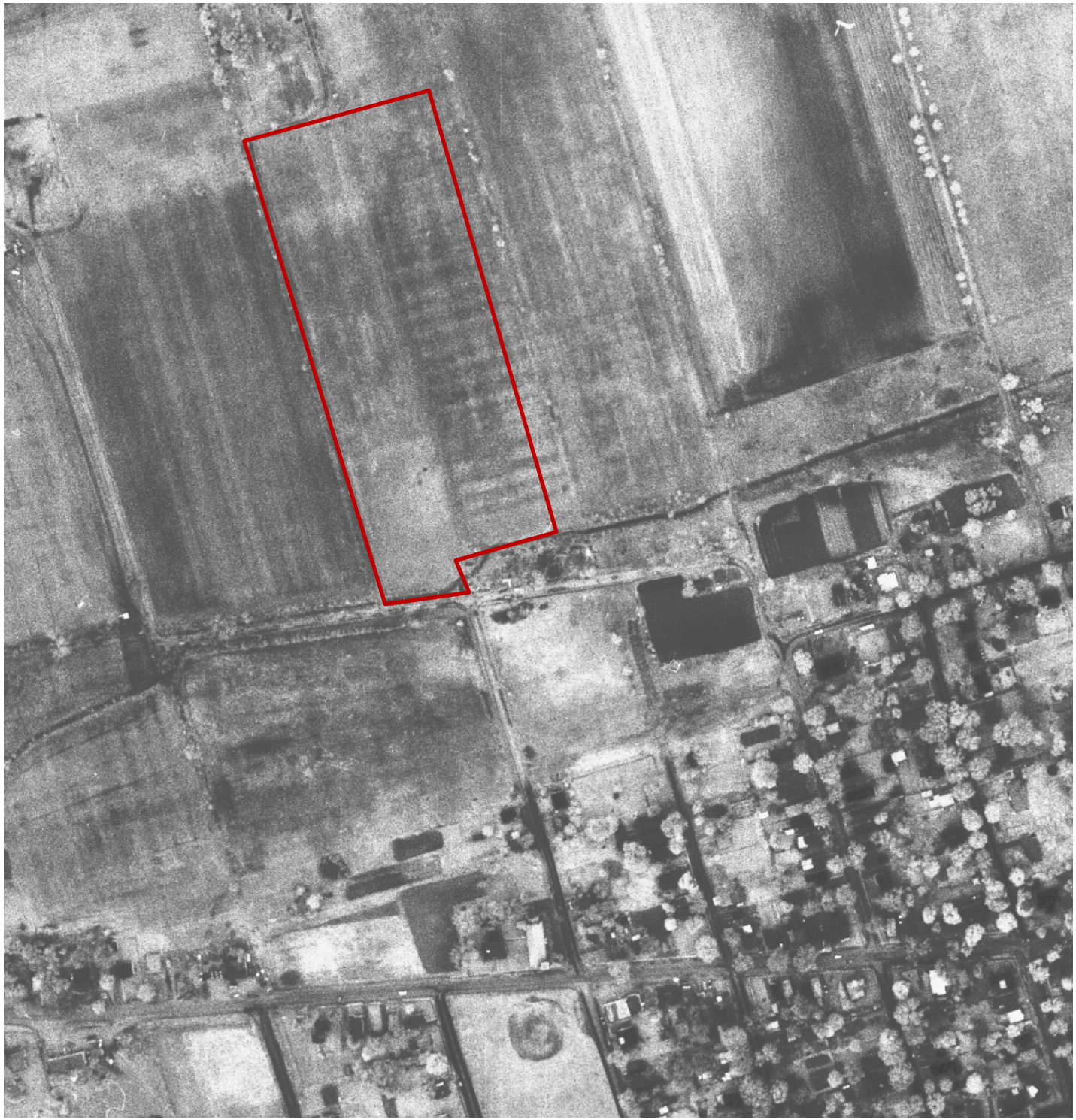
PROJECT:

PHASE ONE ESA
NORTH STREET
TYENDINAGA MOHAWK TERRITORY

FIGURE 7:

1962 AIR PHOTO

Scale: as shown



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NOTES:

Air photo from National Air Photo Library of Canada

LEGEND:

Phase One Site Boundary

PROJECT:

PHASE ONE ESA
NORTH STREET
TYENDINAGA MOHAWK TERRITORY

FIGURE 8:

1973 AIR PHOTO

Scale: as shown

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NOTES:

Air photo from National Air Photo Library of Canada

LEGEND:

Phase One Site Boundary

PROJECT:

PHASE ONE ESA
NORTH STREET
TYENDINAGA MOHAWK TERRITORY

FIGURE 9:

1995 AIR PHOTO

Scale: as shown

GREER GALLOWAY
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FAX: 613-966-3087

NOTES:

Air photo from Google Earth

LEGEND:

Phase One Site Boundary

PROJECT:
PHASE ONE ESA
NORTH STREET
TYENDINAGA MOHAWK TERRITORY

FIGURE 10:

2017 AIR PHOTO

Scale: as shown

Appendix A

Property Information (pending)

Appendix B

ERIS Report

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*MQB Phase One ESA North Street* *North Street: Lot 37D Con II, 65240R RSO* *Deseronto ON*
Project No:	
Report Type:	*RSC Report (Rural)*
Order No:	*20321500353*
Requested by:	*Greer Galloway*
Date Completed:	*December 18, 2020*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Executive Summary

Property Information:

Project Property:	*MQB Phase One ESA North Street* *North Street: Lot 37D Con II, 65240R RSO Deseronto ON*
Project No:	

Coordinates:

Latitude:	*44.19936283*
Longitude:	*-77.05726313*
UTM Northing:	*4,896,073.95*
UTM Easting:	*335,613.01*
UTM Zone:	*18T*

Elevation:	*295 FT* *89.84 M*

Order Information:

Order No:	*20321500353*
Date Requested:	*December 15, 2020*
Requested by:	*Greer Galloway*
Report Type:	*RSC Report (Rural)*

Historical/Products:

Topographic Map	*RSC Maps*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.30 km	Total
AAGR	*Abandoned Aggregate Inventory*	Y	0	0	0
AGR	*Aggregate Inventory*	Y	0	0	0
AMIS	*Abandoned Mine Information System*	Y	0	0	0
ANDR	*Anderson's Waste Disposal Sites*	Y	0	0	0
AST	*Aboveground Storage Tanks*	Y	0	0	0
AUWR	*Automobile Wrecking & Supplies*	Y	0	0	0
BORE	*Borehole*	Y	0	0	0
CA	*Certificates of Approval*	Y	0	0	0
CDRY	*Dry Cleaning Facilities*	Y	0	0	0
CFOT	*Commercial Fuel Oil Tanks*	Y	0	0	0
CHEM	*Chemical Manufacturers and Distributors*	Y	0	0	0
CHM	*Chemical Register*	Y	0	0	0
CNG	*Compressed Natural Gas Stations*	Y	0	0	0
COAL	*Inventory of Coal Gasification Plants and Coal Tar Sites*	Y	0	0	0
CONV	*Compliance and Convictions*	Y	0	0	0
CPU	*Certificates of Property Use*	Y	0	0	0
DRL	*Drill Hole Database*	Y	0	0	0
DTNK	*Delisted Fuel Tanks*	Y	0	0	0
EASR	*Environmental Activity and Sector Registry*	Y	0	0	0
EBR	*Environmental Registry*	Y	0	0	0
ECA	*Environmental Compliance Approval*	Y	0	0	0
EEM	*Environmental Effects Monitoring*	Y	0	0	0
EHS	*ERIS Historical Searches*	Y	0	1	1
EIIS	*Environmental Issues Inventory System*	Y	0	0	0
EMHE	*Emergency Management Historical Event*	Y	0	0	0
EPAR	*Environmental Penalty Annual Report*	Y	0	0	0
EXP	*List of Expired Fuels Safety Facilities*	Y	0	0	0
FCON	*Federal Convictions*	Y	0	0	0
FCS	*Contaminated Sites on Federal Land*	Y	0	0	0
FOFT	*Fisheries & Oceans Fuel Tanks*	Y	0	0	0
FRST	*Federal Identification Registry for Storage Tank Systems (FIRSTS)*	Y	0	0	0
FST	*Fuel Storage Tank*	Y	0	0	0
FSTH	*Fuel Storage Tank - Historic*	Y	0	0	0
GEN	*Ontario Regulation 347 Waste Generators Summary*	Y	0	0	0
GHG	*Greenhouse Gas Emissions from Large Facilities*	Y	0	0	0
HINC	*TSSA Historic Incidents*	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.30 km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	2	2
	Total:		0	3	3

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	WWIS		NORTH ROAD lot 37 con 2 DESERONTO ON ***Well ID:*** 7217200	W/184.1	0.00	12
2	EHS		Vacant Lot adjacent (north of) 199 Mill St. Deseronto ON	E/215.8	1.69	18
3	WWIS		ON ***Well ID:*** 2900161	SSE/216.8	1.08	18

Executive Summary: Summary By Data Source

EHS - ERIS Historical Searches

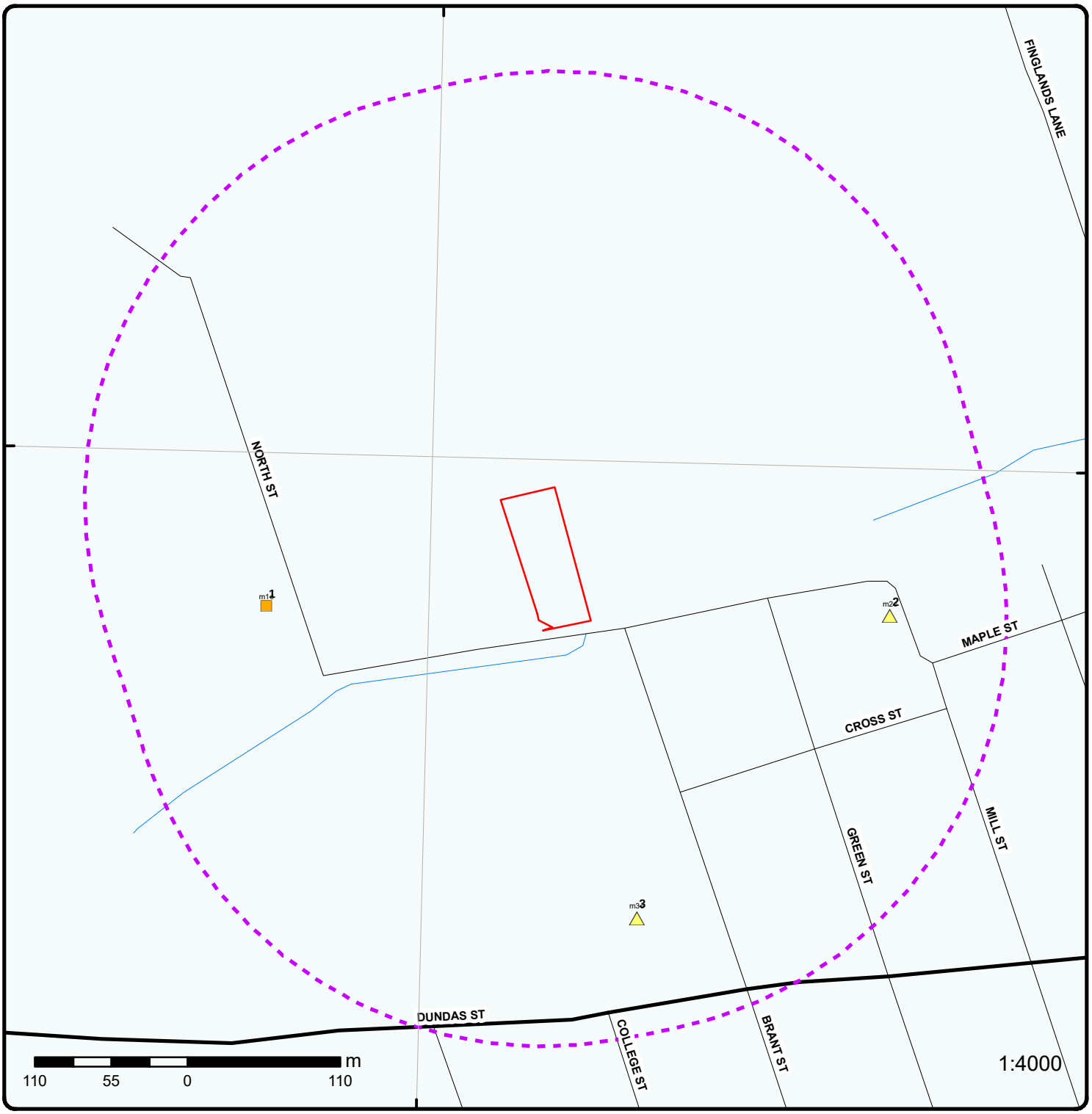
A search of the EHS database, dated 1999-Oct 31, 2020 has found that there are 1 EHS site(s) within approximately 0.30 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Vacant Lot adjacent (north of) 199 Mill St. Deseronto ON	E	215.78	2

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 2 WWIS site(s) within approximately 0.30 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	NORTH ROAD lot 37 con 2 DESERONTO ON ***Well ID:*** 7217200	W	184.13	1
	ON ***Well ID:*** 2900161	SSE	216.82	3



Map : 0.3 Kilometer Radius

Order Number: 20321500353

Address: North Street: Lot 37D Con II, 65240R RSO, Deseronto, ON

ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road
- Industrial and Resource - Regions
- Main Line
- Sidetrack
- Transit Line
- Abandoned Line
- National Park
- Provincial or Territorial Park
- Other Park
- Golf Course or Driving Range
- Park or Sports Field
- Other Recreation Area

Source: © 2015 DMTI Spatial Inc.

© ERIS Information Limited Partnership

Aerial

Year: 2015

Order Number: 20321500353

Address: North Street: Lot 37D Con II, 65240R RSO, Deseronto, ON

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Source: ESRI World Imagery

© ERIS Information Limited Partnership

Topographic Map

Address: North Street: Lot 37D Con II, 65240R RSO, ON

Source: ESRI World Topographic Map

Order Number: 20321500353

ENVIRONMENTAL RISK INFORMATION SERVICES

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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	W/184.1	89.8 / 0.00	NORTH ROAD lot 37 con 2 DESERONTO ON	WWIS

Well ID:	7217200	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	3/3/2014
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1519
Casing Material:		**Form Version:**	7
Audit No:	Z141400	**Owner:**	
Tag:	A124818	**Street Name:**	NORTH ROAD
Construction Method:		**County:**	HASTINGS
Elevation (m):		**Municipality:**	TYENDINAGA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	037
Well Depth:		**Concession:**	02
Overburden/Bedrock:		**Concession Name:**	CON S
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/721\7217200.pdf

Bore Hole Information

Bore Hole ID:	1004717399	**Elevation:**	89.140937
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	335411
Code OB Desc:		**North83:**	4896039
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	8/29/2013	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005070788
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	

Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 3
Formation End Depth: 8.5
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1005070787
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 3
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005070820
Layer: 1
Plug From: 0
Plug To: 3
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1005070819
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 1005070785
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005070791
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 0
Depth To: 3.7
Casing Diameter: 15
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1005070792
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1005070786
Pump Set At: 8
Static Level: -.3
Final Level After Pumping: 4.2
Recommended Pump Depth: 8
Pumping Rate: 7.5
Flowing Rate:
Recommended Pump Rate: 7.5
Levels UOM: m
Rate UOM: LPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1005070809
Test Type: Draw Down
Test Duration: 25
Test Level: 3.7
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070802
Test Type: Recovery
Test Duration: 5
Test Level: 2.7
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070811
Test Type: Draw Down
Test Duration: 30
Test Level: 3.9
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070797
Test Type: Draw Down
Test Duration: 3
Test Level: 1.2
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070800
Test Type: Recovery
Test Duration: 4
Test Level: 3
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070806
Test Type: Recovery
Test Duration: 15
Test Level: 1.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070815
Test Type: Draw Down
Test Duration: 50
Test Level: 4.2
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070817
Test Type: Draw Down
Test Duration: 60
Test Level: 4.2
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070805
Test Type: Draw Down
Test Duration: 15
Test Level: 3.2
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070795
Test Type: Draw Down
Test Duration: 2
Test Level: 1.1
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070816
Test Type: Recovery
Test Duration: 50
Test Level: -.3
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070818

Test Type: Recovery
Test Duration: 60
Test Level: -.3
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070798
Test Type: Recovery
Test Duration: 3
Test Level: 3.3
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070810
Test Type: Recovery
Test Duration: 25
Test Level: .5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070812
Test Type: Recovery
Test Duration: 30
Test Level: 0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070808
Test Type: Recovery
Test Duration: 20
Test Level: 1
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070804
Test Type: Recovery
Test Duration: 10
Test Level: 2
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070794
Test Type: Recovery
Test Duration: 1
Test Level: 3.8
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070803
Test Type: Draw Down
Test Duration: 10
Test Level: 2.6
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070796
Test Type: Recovery
Test Duration: 2
Test Level: 3.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070799
Test Type: Draw Down
Test Duration: 4
Test Level: 1.3
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070793
Test Type: Draw Down
Test Duration: 1
Test Level: .5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070801
Test Type: Draw Down
Test Duration: 5
Test Level: 1.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070813
Test Type: Draw Down
Test Duration: 40
Test Level: 4
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070814
Test Type: Recovery
Test Duration: 40
Test Level: -.3
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070807
Test Type: Draw Down
Test Duration: 20
Test Level: 3.3
Test Level UOM: m

Water Details

Water ID:	1005070790
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	6
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1005070789
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	m
Hole Diameter UOM:	cm

---

2 | ***1 of 1*** | ***E/215.8*** | ***91.5 / 1.69*** | ***Vacant Lot adjacent (north of) 199 Mill St. Deseronto ON*** | ***EHS***

Order No:	20110826023	**Nearest Intersection:**	North St and Mill St. Deseronto
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	9/7/2011	**Search Radius (km):**	0.25
Date Received:	8/26/2011 1:46:35 PM	**X:**	-77.054157
Previous Site Name:		**Y:**	44.19904
Lot/Building Size:	42m x 40.3m		
Additional Info Ordered:			

---

3 | ***1 of 1*** | ***SSE/216.8*** | ***90.9 / 1.08*** | ***ON*** | ***WWIS***

Well ID:	2900161	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	1/22/1963
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1507
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	HASTINGS
Elevation (m):		**Municipality:**	DESORONTO TOWN
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2900161.pdf

Bore Hole Information

Bore Hole ID:	10155829	**Elevation:**	91.826889
DP2BR:	24	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	335678
Code OB Desc:	Bedrock	**North83:**	4895814
Open Hole:		**Org CS:**	

Cluster Kind:
Date Completed: 11/2/1962
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 931455860
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 24
Formation End Depth: 45
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931455858
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 02
Mat2 Desc: TOPSOIL
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931455859
Layer: 2
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 12
Formation End Depth: 24
Formation End Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID: 962900161
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10704399
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930265483
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 45
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930265482
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 26
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992900161
Pump Set At:
Static Level: 10
Final Level After Pumping: 45
Recommended Pump Depth: 42
Pumping Rate: 0
Flowing Rate:
Recommended Pump Rate: 0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933613764
Layer: 1
Kind Code: 1

Kind:	FRESH
Water Found Depth:	38
Water Found Depth UOM:	ft

Unplottable Summary

Total: 5 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	MINISTRY OF THE ENVIRONMENT	BRANT STREET	DESERONTO TOWN ON	
ECA	1652472 Ontario Inc.	Sections of Brant Street and Green Street between Cross Street and North St	Deseronto ON	K7R 2B5
SPL	LAIDLAW WASTE SYSTEMS LTD.	DUNDAS ST., GEORGE ST., AND GREEN ST. MOTOR VEHICLE (OPERATING FLUID)	DESERONTO TOWN ON	
WWIS		lot 37 con 2	ON	
WWIS		lot 38 con 2	ON	

Unplottable Report

Site: ***MINISTRY OF THE ENVIRONMENT***
BRANT STREET DESERONTO TOWN ON

Database: ***CA***

Certificate #:	7-1312-86-
Application Year:	86
Issue Date:	11/7/1986
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***1652472 Ontario Inc.***
Sections of Brant Street and Green Street between Cross Street and North St Deseronto ON K7R 2B5

Database: ***ECA***

Approval No:	5376-7ZLJJJ	***MOE District:***	Belleville
Approval Date:	2010-01-12	***City:***	
Status:	Approved	***Longitude:***	-77.0575
Record Type:	ECA	***Latitude:***	44.1946
Link Source:	IDS	***Geometry X:***	
SWP Area Name:	Quinte	***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	Sections of Brant Street and Green Street between Cross Street and North St		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/2676-7YDR8P-14.pdf		

Site: ***LAIDLAW WASTE SYSTEMS LTD.***
DUNDAS ST., GEORGE ST., AND GREEN ST. MOTOR VEHICLE (OPERATING FLUID) DESERONTO TOWN ON

Database: ***SPL***

Ref No:	73970	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	7/24/1992	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	PIPE/HOSE LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	NOT ANTICIPATED	***Site Municipality:***	51401
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	F.D.
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	7/24/1992	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	EQUIPMENT FAILURE	***Source Type:***	
Site Name:			
Site County/District:			

Site Geo Ref Meth:
Incident Summary: LAIDLAW -15 L. HYDRAULIC OIL TO ROAD, FAILED HOSE, CONTAINED.
Contaminant Qty:

Site:
lot 37 con 2 ON

Database:
WWIS

Well ID: 2913011
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 68709
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 9/8/1989
Selected Flag: Yes
Abandonment Rec:
Contractor: 1805
Form Version: 1
Owner:
Street Name:
County: HASTINGS
Municipality: TYENDINAGA TOWNSHIP
Site Info:
Lot: 037
Concession: 02
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10168138
DP2BR: 22
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 8/16/1989
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931492505
Layer: 4
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 19
Formation End Depth: 22
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931492503
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 16
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931492504
Layer: 3
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 16
Formation End Depth: 19
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931492502
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931492506
Layer: 5
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 22
Formation End Depth: 54
Formation End Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID: 962913011
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10716708
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930286189
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 23
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930286190
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 54
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992913011
Pump Set At:
Static Level: 14
Final Level After Pumping: 51
Recommended Pump Depth: 50
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate: 4
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933627595
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 42
Water Found Depth UOM: ft

Water Details

Water ID:	933627594
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	24
Water Found Depth UOM:	ft

Site:
lot 38 con 2 ON

Database:
WWIS

Well ID:	2919015	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	4/10/2001
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	6390
Casing Material:		***Form Version:***	1
Audit No:	171220	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	HASTINGS
Elevation (m):		***Municipality:***	INDIAN RESERVE TYENDINAGA 38
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	038
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	CON S
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10174128	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	3/22/2001	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931514208
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 931514209
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 73
Mat2 Desc: HARD
Mat3: 68
Mat3 Desc: DRY
Formation Top Depth: 2
Formation End Depth: 18
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931514210
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 91
Mat2 Desc: WATER-BEARING
Mat3:
Mat3 Desc:
Formation Top Depth: 18
Formation End Depth: 20
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933146761
Layer: 1
Plug From: 0
Plug To: 10
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962919015
Method Construction Code: A
Method Construction: Digging
Other Method Construction:

Pipe Information

Pipe ID: 10722698
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930295842
Layer: 1
Material: 3
Open Hole or Material: CONCRETE

Depth From:
Depth To:
Casing Diameter: 36
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992919015
Pump Set At:
Static Level: 2
Final Level After Pumping: 18
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Water Details

Water ID: 933634318
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 18
Water Found Depth UOM: ft

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ***Note:*** *Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory: Provincial AAGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Sep 2020

Abandoned Mine Information System: Provincial AMIS

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-Jun 30, 2020

Borehole: Provincial BORE

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.
Environment and Climate Change Canada cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Jan 2004-Dec 2017

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Chemical Manufacturers and Distributors: Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Jun 30, 2020

Compressed Natural Gas Stations: Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 - Sep 2020

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Dec 2019

Certificates of Property Use: Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994-Oct 31, 2020

Drill Hole Database: Provincial DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks: Provincial DTNK

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Jul 31, 2020

Environmental Activity and Sector Registry: Provincial EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011-Nov 30, 2020

Environmental Registry: Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994-Oct 31, 2020

Environmental Compliance Approval: Provincial ECA

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011-Nov 30, 2020

Environmental Effects Monitoring: Federal EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Oct 31, 2020

Environmental Issues Inventory System: Federal EIIS

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2019

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Federal Convictions: Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Sep 2020

Fisheries & Oceans Fuel Tanks: Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FRST

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Fuel Storage Tank - Historic: Provincial FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Jul 31, 2020

Greenhouse Gas Emissions from Large Facilities: Federal GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013-Dec 2018

TSSA Historic Incidents: Provincial HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

Canadian Mine Locations: Private MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Jan 2020

National Analysis of Trends in Emergencies System (NATES): Federal NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Sep 30, 2020

National Energy Board Wells: Federal NEBP

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Aug 31, 2020

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Jun 2020

Inventory of PCB Storage Sites: Provincial OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders: Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994-Oct 31, 2020

Canadian Pulp and Paper: Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks: Federal PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011-Nov 30, 2020

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 31, 2020

Private and Retail Fuel Storage Tanks: Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994-Oct 31, 2020

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Sep 2020

Retail Fuel Storage Tanks: Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-Jun 30, 2020

Scott's Manufacturing Directory: Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.
The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Nov 2019

Wastewater Discharger Registration Database: Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks: Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970-Aug 2019

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.
Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011-Nov 30, 2020

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Apr 30, 2020

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

DATABASE REPORT

Project Property:	*Phase One ESA Lot 38E-1-2* *Lot 38E-1-2 Concession II (North Street)* *Tyendinaga Mohawk Territory ON*
Project No:	
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*21042100142*
Requested by:	*Greer Galloway*
Date Completed:	*April 26, 2021*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a database review of environmental records.

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Executive Summary

Property Information:

Project Property: *Phase One ESA Lot 38E-1-2*
Lot 38E-1-2 Concession II (North Street) Tyendinaga Mohawk Territory ON

Project No:

Order Information:

Order No: *21042100142*
Date Requested: *April 21, 2021*
Requested by: *Greer Galloway*
Report Type: *Quote - Custom-Build Your Own Report*

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	2	2
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	0	0
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	2	2
	Total:		0	4	4

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	EHS		North Street: Lot 37D Con II, 65240R RSO Deseronto ON	SSE/16.6	-6.97	12
2	EHS		Vacant Lot adjacent (north of) 199 Mill St. Deseronto ON	SE/128.8	-5.31	12
3	WWIS		NORTH ROAD lot 37 con 2 DESERONTO ON ***Well ID:*** 7217200	S/220.3	-7.00	12
4	WWIS		ON ***Well ID:*** 2900161	SSE/220.7	-5.92	18

Executive Summary: Summary By Data Source

EHS - ERIS Historical Searches

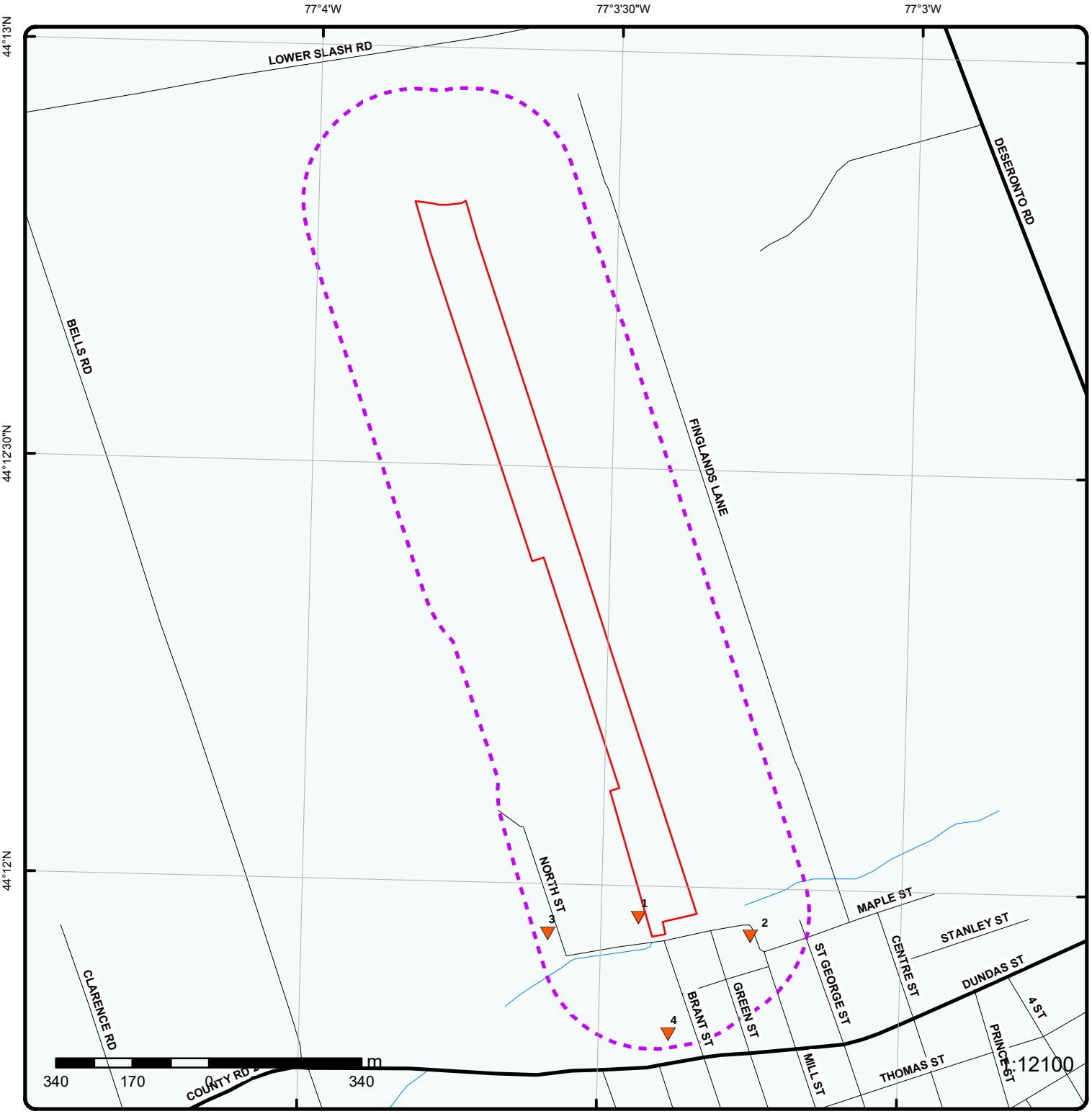
A search of the EHS database, dated 1999-Jan 31, 2021 has found that there are 2 EHS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	North Street: Lot 37D Con II, 65240R RSO Deseronto ON	16.6	1
	Vacant Lot adjacent (north of) 199 Mill St. Deseronto ON	128.8	2

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 2 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	NORTH ROAD lot 37 con 2 DESERONTO ON ***Well ID:*** 7217200	220.3	3
	ON ***Well ID:*** 2900161	220.7	4



Map: 0.25 Kilometer Radius

Order Number: 21042100142

Address: Lot 38E-1-2 Concession II (North Street), Tyendinaga Mohawk Territory, ON

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road
- Industrial and Resource - Regions
- Main Line
- Sidetrack
- Transit Line
- Abandoned Line
- National Park
- Provincial or Territorial Park
- Other Park
- Golf Course or Driving Range
- Park or Sports Field
- Other Recreation Area

Source: © 2015 DMTI Spatial Inc.

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77°3'W

Aerial

Year: 2018

Order Number: 21042100142

Address: Lot 38E-1-2 Concession II (North Street), Tyendinaga Mohawk Territo

Source: ESRI World Imagery

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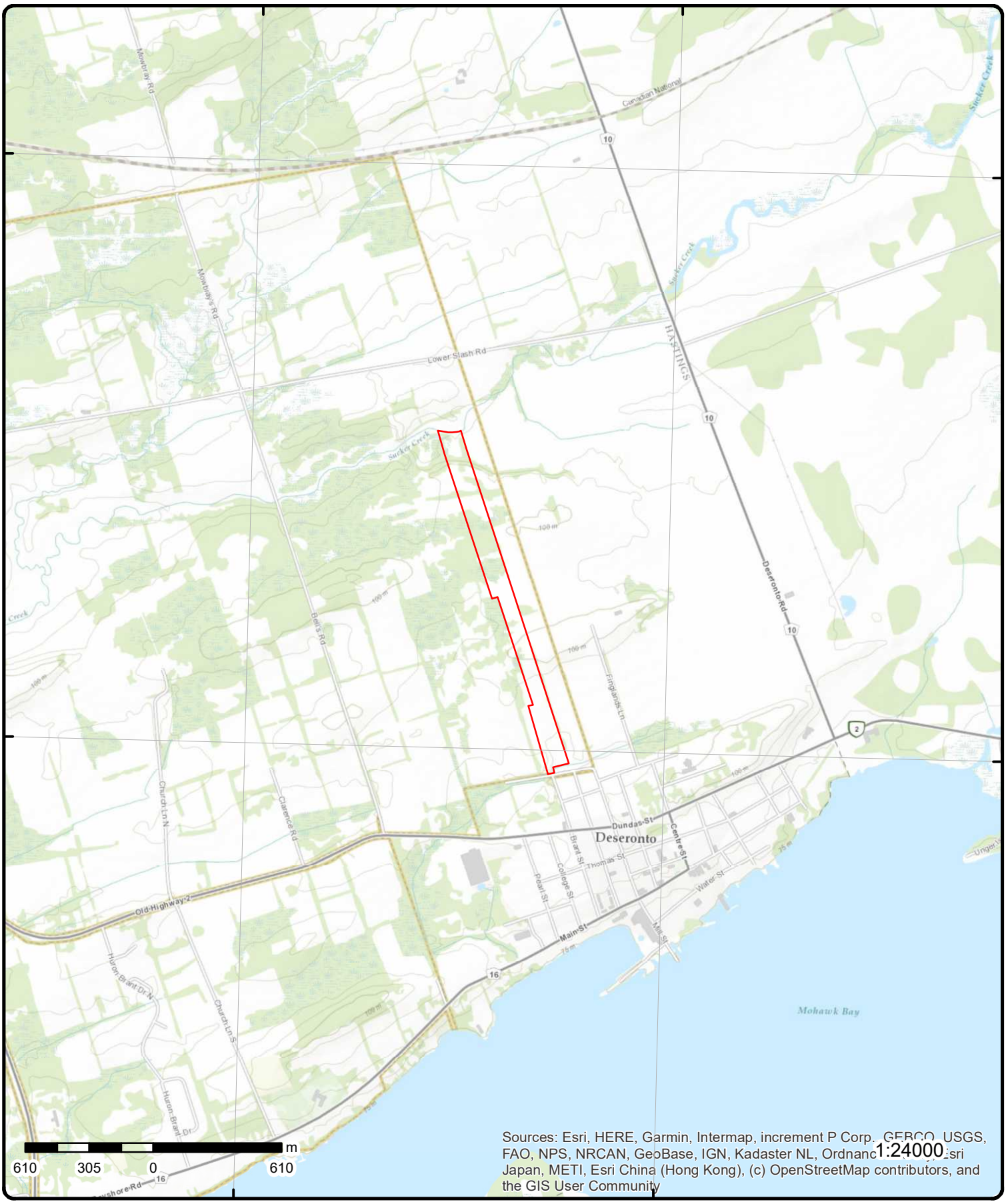

Topographic Map

Order Number: 21042100142

Address: Lot 38E-1-2 Concession II (North Street), ON

Source: ESRI World Topographic Map

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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	SSE/16.6	89.9 / -6.97	North Street: Lot 37D Con II, 65240R RSO Deseronto ON	EHS

Order No:	20321500353	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	RSC Report (Rural)	**Client Prov/State:**	ON
Report Date:	18-DEC-20	**Search Radius (km):**	.3
Date Received:	15-DEC-20	**X:**	-77.05726313
Previous Site Name:		**Y:**	44.19936283
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	SE/128.8	91.5 / -5.31	Vacant Lot adjacent (north of) 199 Mill St. Deseronto ON	EHS

Order No:	20110826023	**Nearest Intersection:**	North St and Mill St. Deseronto
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	9/7/2011	**Search Radius (km):**	0.25
Date Received:	8/26/2011 1:46:35 PM	**X:**	-77.054157
Previous Site Name:		**Y:**	44.19904
Lot/Building Size:	42m x 40.3m		
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 1	S/220.3	89.8 / -7.00	NORTH ROAD lot 37 con 2 DESERONTO ON	WWIS

Well ID:	7217200	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	3/3/2014
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1519
Casing Material:		**Form Version:**	7
Audit No:	Z141400	**Owner:**	
Tag:	A124818	**Street Name:**	NORTH ROAD
Construction Method:		**County:**	HASTINGS
Elevation (m):		**Municipality:**	TYENDINAGA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	037
Well Depth:		**Concession:**	02
Overburden/Bedrock:		**Concession Name:**	CON S
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/721\7217200.pdf

Bore Hole Information

Bore Hole ID:	1004717399	**Elevation:**	89.140937
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	335411
Code OB Desc:		**North83:**	4896039
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	8/29/2013	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005070788
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	3
Formation End Depth:	8.5
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005070787
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005070820
Layer:	1
Plug From:	0
Plug To:	3
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID: 1005070819
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 1005070785
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005070791
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 0
Depth To: 3.7
Casing Diameter: 15
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1005070792
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1005070786
Pump Set At: 8
Static Level: -.3
Final Level After Pumping: 4.2
Recommended Pump Depth: 8
Pumping Rate: 7.5
Flowing Rate:
Recommended Pump Rate: 7.5
Levels UOM: m
Rate UOM: LPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1005070809
Test Type: Draw Down
Test Duration: 25
Test Level: 3.7
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070802
Test Type: Recovery
Test Duration: 5
Test Level: 2.7
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070811
Test Type: Draw Down
Test Duration: 30
Test Level: 3.9
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070797
Test Type: Draw Down
Test Duration: 3
Test Level: 1.2
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070800
Test Type: Recovery
Test Duration: 4
Test Level: 3
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070806
Test Type: Recovery
Test Duration: 15
Test Level: 1.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070815
Test Type: Draw Down
Test Duration: 50
Test Level: 4.2
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070817
Test Type: Draw Down
Test Duration: 60
Test Level: 4.2
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070805
Test Type: Draw Down
Test Duration: 15
Test Level: 3.2
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070795
Test Type: Draw Down
Test Duration: 2
Test Level: 1.1
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070816
Test Type: Recovery
Test Duration: 50
Test Level: -.3
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070818
Test Type: Recovery
Test Duration: 60
Test Level: -.3
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070798
Test Type: Recovery
Test Duration: 3
Test Level: 3.3
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070810
Test Type: Recovery
Test Duration: 25
Test Level: .5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070812
Test Type: Recovery
Test Duration: 30
Test Level: 0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070808
Test Type: Recovery
Test Duration: 20
Test Level: 1

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070804
Test Type: Recovery
Test Duration: 10
Test Level: 2
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070794
Test Type: Recovery
Test Duration: 1
Test Level: 3.8
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070803
Test Type: Draw Down
Test Duration: 10
Test Level: 2.6
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070796
Test Type: Recovery
Test Duration: 2
Test Level: 3.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070799
Test Type: Draw Down
Test Duration: 4
Test Level: 1.3
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070793
Test Type: Draw Down
Test Duration: 1
Test Level: .5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070801
Test Type: Draw Down
Test Duration: 5
Test Level: 1.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070813
Test Type: Draw Down
Test Duration: 40
Test Level: 4
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070814
Test Type: Recovery
Test Duration: 40
Test Level: -.3
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1005070807
Test Type: Draw Down
Test Duration: 20
Test Level: 3.3
Test Level UOM: m

Water Details

Water ID: 1005070790
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 6
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1005070789
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

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4 | ***1 of 1*** | ***SSE/220.7*** | ***90.9 / -5.92*** | ***ON*** | ***WWIS***

Well ID:	2900161	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	1/22/1963
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1507
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	HASTINGS
Elevation (m):		**Municipality:**	DESORONTO TOWN
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	

Flow Rate: ***UTM Reliability:***
Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2900161.pdf

Bore Hole Information

Bore Hole ID:	10155829	***Elevation:***	91.826889
DP2BR:	24	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	335678
Code OB Desc:	Bedrock	***North83:***	4895814
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	11/2/1962	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931455860
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	24
Formation End Depth:	45
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931455858
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	02
Mat2 Desc:	TOPSOIL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	12
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931455859
Layer:	2

Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 12
Formation End Depth: 24
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962900161
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10704399
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930265483
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 45
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930265482
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 26
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992900161
Pump Set At:
Static Level: 10
Final Level After Pumping: 45
Recommended Pump Depth: 42
Pumping Rate: 0
Flowing Rate:
Recommended Pump Rate: 0
Levels UOM: ft

Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933613764
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	38
Water Found Depth UOM:	ft

Unplottable Summary

Total: 11 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	MINISTRY OF THE ENVIRONMENT	BRANT STREET	DESERONTO TOWN ON	
CA	1652472 Ontario Inc.	Sections of Brant Street and Green Street between Cross Street and North St	Deseronto ON	
ECA	1652472 Ontario Inc.	Sections of Brant Street and Green Street between Cross Street and North St	Deseronto ON	K7R 2B5
EIIS	TYENDINAGA ACTIVE LANDFILL SITE		TYENDINAGA MOHAWK TERRITORY ON	
EIIS	TYENDINAGA GH RICE BLDG		TYENDINAGA MOHAWK TERRITORY ON	
EIIS	Former DND leased property - Drill Hall		TYENDINAGA MOHAWK TERRITORY ON	
IAFT	Roads Department		ON	
IAFT	Roads Department		ON	
IAFT	Roads Department		ON	
WWIS		lot 38 con 2	ON	
WWIS		lot 37 con 2	ON	

Unplottable Report

Site: ***MINISTRY OF THE ENVIRONMENT***
BRANT STREET DESERONTO TOWN ON

Database: ***CA***

Certificate #:	7-1312-86-
Application Year:	86
Issue Date:	11/7/1986
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***1652472 Ontario Inc.***
Sections of Brant Street and Green Street between Cross Street and North St Deseronto ON

Database: ***CA***

Certificate #:	5376-7ZLJJJ
Application Year:	2010
Issue Date:	1/12/2010
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***1652472 Ontario Inc.***
Sections of Brant Street and Green Street between Cross Street and North St Deseronto ON K7R 2B5

Database: ***ECA***

Approval No:	5376-7ZLJJJ	***MOE District:***	Belleville
Approval Date:	2010-01-12	***City:***	
Status:	Approved	***Longitude:***	-77.0575
Record Type:	ECA	***Latitude:***	44.1946
Link Source:	IDS	***Geometry X:***	
SWP Area Name:	Quinte	***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	1652472 Ontario Inc.		
Address:	Sections of Brant Street and Green Street between Cross Street and North St		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/2676-7YDR8P-14.pdf		

Site: ***TYENDINAGA ACTIVE LANDFILL SITE***
TYENDINAGA MOHAWK TERRITORY ON

Database: ***EIIS***

Inventory Number:	3000010394
Band:	MOHAWKS OF THE BAY OF QUINTE

Environmental Issue: WASTE DISPOSAL SITES (ACTIVE)
Reserve: TYENDINAGA MOHAWK TERRITORY
File Closed:

--Details--
Funding Site Action: PHASE III
Fiscal Year: 1995/1996

Site: ***TYENDINAGA GH RICE BLDG***
TYENDINAGA MOHAWK TERRITORY ON

Database: ***EIIS***

Inventory Number: 3000010294
Band: MOHAWKS OF THE BAY OF QUINTE
Environmental Issue: OTHER
Reserve: TYENDINAGA MOHAWK TERRITORY
File Closed: 25/11/99

--Details--
Funding Site Action: PHASE III
Fiscal Year: 1995/1996

Funding Site Action: PHASE III
Fiscal Year: 1996/1997

Funding Site Action: REMEDIATION
Fiscal Year: 1997/1998

Funding Site Action: REMEDIATION
Fiscal Year: 1998/1999

Site: ***Former DND leased property - Drill Hall***
TYENDINAGA MOHAWK TERRITORY ON

Database: ***EIIS***

Inventory Number: 3000116700
Band: MOHAWKS OF THE BAY OF QUINTE
Environmental Issue: SOIL CONTAMINATION
Reserve: TYENDINAGA MOHAWK TERRITORY
File Closed:

--Details--
Funding Site Action: PHASE III
Fiscal Year: 2000/2001

Site: ***Roads Department***
ON

Database: ***IAFT***

Owner/Operator:
Reserve Name: TYENDINAGA MOHAWK TERRITORY
Site No.: 06217
Facility Type: Public Works Yard
Installed Date: 1997
Tank Type: Aboveground-horizontal
Tank Desc:
Tank No: 406217-A-002
Tank Material: Steel
Contents: Unleaded gasoline
Capacity: 5000 L
Current Status:

Site: ***Roads Department***

Database:

ON ***IAFT***

Owner/Operator:
Reserve Name: TYENDINAGA MOHAWK TERRITORY
Site No.: 06217
Facility Type: Public Works Yard
Installed Date: 1968
Tank Type: None
Tank Desc:
Tank No: 406217-A-003
Tank Material: None
Contents: None
Capacity: 2500 L
Current Status:

Site: ***Roads Department*** ***Database:***
ON ***IAFT***

Owner/Operator:
Reserve Name: TYENDINAGA MOHAWK TERRITORY
Site No.: 06217
Facility Type: Public Works Yard
Installed Date: 1997
Tank Type: Aboveground-horizontal
Tank Desc:
Tank No: 406217-A-001
Tank Material: Steel
Contents: Diesel
Capacity: 25000 L
Current Status:

Site: ***Database:***
lot 38 con 2 ON ***WWIS***

Well ID: 2919015
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 171220
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 4/10/2001
Selected Flag: Yes
Abandonment Rec:
Contractor: 6390
Form Version: 1
Owner:
Street Name:
County: HASTINGS
Municipality: INDIAN RESERVE TYENDINAGA 38
Site Info:
Lot: 038
Concession: 02
Concession Name: CON S
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10174128
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 3/22/2001

Elevation:
Elevrc:
Zone:
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM

Remarks: ***Location Method:*** na
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931514208
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931514209
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 73
Mat2 Desc: HARD
Mat3: 68
Mat3 Desc: DRY
Formation Top Depth: 2
Formation End Depth: 18
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931514210
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 91
Mat2 Desc: WATER-BEARING
Mat3:
Mat3 Desc:
Formation Top Depth: 18
Formation End Depth: 20
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933146761
Layer: 1
Plug From: 0

Plug To: 10
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962919015
Method Construction Code: A
Method Construction: Digging
Other Method Construction:

Pipe Information

Pipe ID: 10722698
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930295842
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To:
Casing Diameter: 36
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992919015
Pump Set At:
Static Level: 2
Final Level After Pumping: 18
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Water Details

Water ID: 933634318
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 18
Water Found Depth UOM: ft

Site:
lot 37 con 2 ON

Database: ***WWIS***

Well ID: 2913011
Construction Date:
Primary Water Use: Domestic
Data Entry Status:
Data Src: 1
Date Received: 9/8/1989

Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 68709
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Selected Flag: Yes
Abandonment Rec:
Contractor: 1805
Form Version: 1
Owner:
Street Name:
County: HASTINGS
Municipality: TYENDINAGA TOWNSHIP
Site Info:
Lot: 037
Concession: 02
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10168138
DP2BR: 22
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 8/16/1989
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931492505
Layer: 4
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 19
Formation End Depth: 22
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931492503
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:

Formation Top Depth: 1
Formation End Depth: 16
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931492504
Layer: 3
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 16
Formation End Depth: 19
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931492502
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931492506
Layer: 5
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 22
Formation End Depth: 54
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962913011
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10716708
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930286189
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 23
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930286190
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 54
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992913011
Pump Set At:
Static Level: 14
Final Level After Pumping: 51
Recommended Pump Depth: 50
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate: 4
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933627595
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 42
Water Found Depth UOM: ft

Water Details

Water ID: 933627594
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 24
Water Found Depth UOM: ft

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ***Note:*** *Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory: Provincial AAGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Sep 2020

Abandoned Mine Information System: Provincial AMIS

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-Dec 31, 2020

Borehole: Provincial BORE

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2018

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Chemical Manufacturers and Distributors: Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Dec 31, 2020

Compressed Natural Gas Stations: Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 -Dec 2020

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Nov 2020

Certificates of Property Use: Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994-Mar 31, 2021

Drill Hole Database: Provincial DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks: Provincial DTNK

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Jul 31, 2020

Environmental Activity and Sector Registry: Provincial EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011-Mar 31, 2021

Environmental Registry: Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994-Mar 31, 2021

Environmental Compliance Approval: Provincial ECA

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011- Mar 31, 2021

Environmental Effects Monitoring: Federal EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Jan 31, 2021

Environmental Issues Inventory System: Federal EIIS

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2020

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Federal Convictions: Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Jan 2021

Fisheries & Oceans Fuel Tanks: Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FRST

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Fuel Storage Tank - Historic: Provincial FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Jan 31, 2021

Greenhouse Gas Emissions from Large Facilities: Federal GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013-Dec 2018

TSSA Historic Incidents: Provincial HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

Canadian Mine Locations: Private MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Dec 2020

National Analysis of Trends in Emergencies System (NATES): Federal NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Dec 31, 2020

National Energy Board Wells: Federal NEBP

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Feb 28, 2021

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Jun 2020

Inventory of PCB Storage Sites: Provincial OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders: Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994-Mar 31, 2021

Canadian Pulp and Paper: Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks: Federal PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011-Mar 31, 2021

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 31, 2020

Private and Retail Fuel Storage Tanks: Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994-Mar 31, 2021

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Mar 2021

Retail Fuel Storage Tanks: Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-Dec 31, 2020

Scott's Manufacturing Directory: Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Mar 2020; Jul 2020 - Aug 2020

Wastewater Discharger Registration Database: Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks: Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Dec 2020

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.
Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011-Mar 31, 2021

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Apr 30, 2020

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

Appendix C

Site Photographs

Photo 1: Typical terrain at Phase One Property looking towards the north

Photo 2: Western flowing creek at the south boundary of the Phase One Study Area looking towards the northeast direction.

Photo 3: Trail that runs parallel to the eastern property boundary looking in the south direciton

Photo 4: Trail present along western property boundary looking in the north direction

Photo 5: Remnants of the roof of the original residential building located east just off the Phase One Property

Photo 6: Fill mound located just to the north of the Phase One Property looking in the north direction.

Photo 7: Transformer on hydro pole (PCA 55) at northeast corner of the intersection of Brant and Cross Street

Photo 8: Transformer on hydro pole (PCA 55) at northeast corner of the intersection of Mill Street and Maple Avenue

Photo 9: Transformer on hydro pole (PCA 55) at southwest corner of the intersection of Brant and North Street